ANALYTICA CHIMICA ACTA

An international journal devoted to all branches of analytical chemistry

(Full texts are incorporated in CJELSEVIER, a file in the Chemical Journals Online database available on STN International; Abstracted, indexed in: Aluminium Abstracts; Anal. Abstr.; Biol. Abstr.; Biol. S; Chem. Abstr.; Curr. Contents Phys. Chem. Earth Sci.; Engineered Materials Abstracts; Excerpta Medica; Index Med.; Life Sci.; Mass Spectrum. Bull.; Material Business Alerts; Metals Abstracts; Sci. Citation Index)

VOL. 390 NOS. 1-3	CONTENTS	May 19, 1999
Chemometrics		
Quality of resolution of black multicon	nponent systems	
BV. Grande and O.M. Kvalheim (E	Bergen, Norway)	
Complexation of cadmium by the C-te by differential pulse polarography	erminal hexapeptide Lys-Cys-Thr-Cys-Cys-Ala from mous and circular dichroism spectroscopy with multivariate curv	se metallothionein: study ve resolution analysis
J. Mendieta, M.S. Díaz-Cruz, A. Mo	onjonell, R. Tauler and M. Esteban (Barcelona, Spain)	
Capillary electrophoresis		
Sequential injection sample introduct	tion microfluidic-chip based capillary electrophoresis syste	em
Q. Fang, FR. Wang, SL. Wang, S.	-S. Liu, SK. Xu and ZL. Fang (Shenyang, China)	
	on in a flow injection system coupled to capillary electroph	
L. Arce (Córdoba, Spain), P. Kubar	(Stockholm, Sweden), A. Ríos, M. Valcárcel (Córdoba, Spa	ain) and B. Karlberg
(Stockholm, Sweden))		
Liquid chromatography detection		
Waveform optimization for integrated separation	square-wave detection of biogenic amines following their	liquid chromatographic
J.C. Hoekstra and D.C. Johnson (A	mes, IA, USA)	
Sensitive absorption detection for mi four-wave mixing	cro-column liquid chromatography by ultraviolet forward-s	scattering degenerate
T. de Beer, P. Besoo, G.Ph. Hoorny	veg, N.H. Velthorst, U.A.Th. Brinkman and C. Gooijer (Amste	rdam, The Netherlands) 5
Biosensors and piezoelectric sensor	s	
	irect electron transfer blocking of peroxidase immobilising	on silica-titanium
	e Oliveira Neto (Campinas, Brazil)	
	netric biosensor for α-2 interferon detection	
	E. Rachkov, M.I. Tereschenko, S.A. Piletsky and A.V. El'skaya	(Kiev, Ukraine)
	g a differential-type amperometric biosensor based on alc	
	Loo M. C. Shin T. H. Kim and S. P. Kim (Social South Kore	

(Continued overleaf)



http://chemweb.com/gateways/elsevier.html



ContentsDirect, the *free* e-mail alerting service, delivers the table of contents for this journal directly to your PC, prior to publication. The quickest way to register for Contents Direct is via the Internet at: http://www.elsevier.nl/locate/ContentsDirect. If you don't have access to the Internet you can register for this service by sending an e-mail message to cdsubs@elsevier.co.uk – specifying the title of the publication you wish to register for.

Selective piezoelectric odor sensors using molecularly imprinted polymers	
HS. Ji, S. McNiven, K. Ikebukuro and I. Karube (Tokyo, Japan)	93
Electroanalytical chemistry	
Effect of AC voltage frequency on the sensitivity of conductometric detection in microseparation techniques	
F. Opekar, I. Jelínek and A. Trojánek (Prague, Czech Republic).	101
Electrochemical behaviour of triclosan at a screen-printed carbon electrode and its voltammetric determination in	
toothpaste and mouthrinse products	40-
R.M. Pemberton and J.P. Hart (Bristol, UK)	107
Simultaneous determination of halide and thiocyanate ions by potentiometric precipitation titration and multivariate calibration	
Y. Ni and A. Wu (Nanchang, China)	117
Liquid-liquid extraction	
Aqueous two-phase extraction system of sodium perfluorooctanoate and dodecyltriethylammonium bromide mixture	
and its application to porphyrins and dyes AJ. Tong, JJ. Dong and LD. Li (Beijing, China)	125
A3. Tong, 33. Dong and ED. Er (Beijing, Onnia).	120
Flow analysis	
On-line determination of cyanide in the presence of sulfide by flow injection with pervaporation	
H. Sulistyarti, T.J. Cardwell (Vic., Australia), M.D. Luque de Castro (Cordoba, Spain) and S.D. Kolev (Vic., Australia)	133
Use of a peroxidase reactor in flow injection analysis for the determination of chloramine and the inhibition kinetics	4.44
S. Buck, K. Stein and G. Schwedt (Clausthal-Zellerfeld, Germany)	141
assisted hydrolysis step	
M.J. Escuriola, A. Morales-Rubio and M. de la Guardia (Burjassot, Spain).	147
Thermal lens spectrometry	
Thermal lens investigation of the temperature dependence of the refractive index of organo-aqueous solutions S.M. Colcombe and R.D. Snook (Manchester, UK)	155
Monitoring supercritical fluid extraction by thermal lens spectrometry with pulsed laser excitation	100
J. Amador-Hernández, J.M. Fernández-Romero (Córdoba, Spain), G. Ramis-Ramos (Burjassot, Spain) and	
M.D. Luque de Castro (Córdoba, Spain).	163
Mass spectrometry	
The automatic visualisation of carry-over in high-throughput flow injection analysis mass spectrometry	
R. Richmond and E. Görlach (Basel, Switzerland)	175
Measurement of inorganic acids with rotating ball inlet mass spectrometry	
H. Ørsnes, T. Graf and H. Degn (Odense, Denmark)	185
Electrospray ionization mass spectrometry of metal complexes. Gas phase formation of a binuclear	
copper(II)-5-Br-PADAP complex	400
A. Matsumoto, T. Fukumoto, H. Adachi and H. Watarai (Osaka, Japan)	193
Electrothermal atomic absorption spectrometry	
Determination of gallium by graphite furnace atomic absorption spectrometry with combined use of a tungsten-coated	
L'vov platform tube and a chemical modification technique	
D. Ma, Y. Okamoto, T. Kumamaru (Higashi-Hiroshima, Japan) and E. Iwamoto (Hiroshima, Japan)	201
Rapid determination of lead and cadmium in biological fluids by electrothermal atomic absorption spectrometry using Zeeman correction	
N. Campillo, P. Viñas, I. López-García and M. Hernández-Córdoba (Murcia, Spain)	207
W. Campino, F. Vinas, E. Espez-Gardia and W. Hernandez-Gordoba (Wullda, Spain)	201
Membrane desolvation	
Membrane desolvation for the analysis of organic solutions and liquid chromatographic samples with low power helium	
microwave induced plasma atomic emission detection	0.49
O.T. Akinbo and J.W. Carnahan (DeKalb, IL, USA)	217
Environmental analysis	
Sampling aerosols for lead isotopes on a global scale	
A. Bollhöfer, W. Chisholm and K.J.R. Rosman (Bentley, Australia)	227
Highly sensitive chemiluminescence flow-injection detection of the red tide phytoplankton Heterosigma carterae	
R. Asai, R. Matsukawa, K. Ikebukuro and I. Karube (Tokyo, Japan).	237

H.E. Louise Armstrong, W.T. Corns, P.B. Stockwell (Orpington, UK), G. O'Connor, L. Ebdon and E. Hywel Evans (Plymouth, UK)
(Plymouth, UK)
Kinetic-catalytic-spectrophotometric determination of low concentrations of molybdenum in white wines D. Bejan (lasi, Romania)
D. Bejan (lasi, Romania)
D. Bejan (lasi, Romania)
Acid dissociation constants
General equation for determining the dissociation constants of polyprotic acids and bases from additive properties. Part I. Theory
I. Jano and J.E. Hardcastle (Denton, TX, USA)
General equation for determining the dissociation constants of polyprotic acids and bases from additive properties. Part II. Applications
I. Jano and J.E. Hardcastle (Denton, TX, USA)
Erratum 275
Book reviews
Author Index
Calendar of forthcoming meetings N

•